

CLAIMS

1 1. In the context of a printing system comprising a host apparatus creating print data and
2 a printer obtaining print data from the host apparatus and carrying out printing, a printing
3 system characterized in that it comprises:

4 cancellation means for requesting cancellation of printing in units of pages; and
5 print control means for, in the event that cancellation of printing has been requested by
6 the print cancellation means, causing printing to continue until printing of a page currently
7 being printed is completed.

1 2. A printing method characterized in that it comprises:

2 a step in which print data is sent from a host apparatus to a printer;
3 a step in which printing is carried out at the printer based on the print data;
4 a step in which a cancellation of printing in units of pages is issued;
5 a step in which, in the event that the printing cancellation has been issued,
6 determination is made as to whether printing of a page currently being printed at the printer is
7 completed; and

8 a step in which, in the event that it is determined that printing of the page currently
9 being printed is completed, printing processing is terminated.

1 3. A printing method according to claim 2 wherein the printing cancellation issuing step
2 is such that determination is made as to whether a printing interruption event is expected to
3 occur at the host apparatus, and in the event that the printing interruption event is expected to
4 occur, the cancellation of printing in units of pages is issued.

1 4. A printing method according to claim 3 wherein the printing interruption event is
2 indicative of circumstances causing or tending to cause the host apparatus to be unable to
3 engage in data communication with the printer due to insufficient supply of electrical power
4 to the host apparatus.

1 5. A printing method according to claim 2 wherein the printing cancellation issuing step
2 is such that the cancellation of printing in units of pages is issued based on circumstances
3 causing or tending to cause the host apparatus to be unable to engage in data communication
4 with the printer.

1 6. A printing method according to claim 2 wherein the printing cancellation issuing step
2 is such that the cancellation of printing in units of pages is issued in the event that a printing
3 interruption instruction is input by a user.

1 7. A printer obtaining print data from a host apparatus and carrying out printing, the
2 printer being characterized in that it comprises:

3 means for accepting a cancellation of printing in units of pages from the host
4 apparatus; and

5 print control means for, in the event that the printing cancellation has been accepted,
6 causing printing to continue until printing of a page currently being printed is completed.

1 8. A printer obtaining print data from a host apparatus and carrying out printing, the
2 printer being characterized in that it comprises:

3 storage means for storing the print data obtained from the host apparatus;

4 print means for reading the stored print data, creating image data in units of bands,
5 and printing;

6 means for accepting a cancellation of printing in units of pages from the host
7 apparatus; and

8 print control means for, in the event that the printing cancellation has been accepted,
9 causing printing to continue until printing of a page currently being printed is completed.

1 9. A host apparatus creating print data to be sent to a printer, the host apparatus being
2 characterized in that it comprises:

3 print instruction means for sending the print data to the printer and causing printing;

4 and

5 cancellation means for, in the event that a prescribed print cancellation condition

6 exists, requesting cancellation of printing in units of pages at the printer such that printing
7 continues until printing of a page currently being printed is completed.

1 10. A host apparatus according to claim 9 wherein the prescribed print cancellation
2 condition is:

3 whether a battery charge level of an internal battery has decreased to a preestablished
4 prescribed value; or

5 whether a user has issued a printing interruption instruction; or

6 whether a battery charge level of an internal battery has decreased to a preestablished
7 prescribed value and a user has issued a printing interruption instruction.

1 11. A host apparatus according to claim 9 further comprising storage means for storing
2 interruption location information obtained from the printer indicating a location at which
3 printing was interrupted pursuant to the request for cancellation of printing;

4 wherein the prescribed print cancellation condition is whether a battery charge level of
5 an internal battery has decreased to a preestablished prescribed value; and

6 the print instruction means, in the event that the battery charge level of the internal
7 battery recovers to the extent that the prescribed value is exceeded, causes the interrupted
8 printing to resume based on the stored interruption location information.

1 12. A host apparatus according to claim 9 wherein:

2 the prescribed print cancellation condition is whether a battery charge level of an
3 internal battery has decreased to a preestablished prescribed value; and

4 the print instruction means, in the event that the battery charge level of the internal
5 battery recovers to the extent that the prescribed value is exceeded, obtains, from the printer,
6 interruption location information indicating a location at which printing was interrupted
7 pursuant to the request for cancellation of printing, and causes the interrupted printing to
8 resume based on this interruption location information.

1 13. A computer program for causing a computer to execute a method in which print data
2 is obtained from a host apparatus and printing is caused to be carried out, the method

3 comprising:

4 a step in which a cancellation of printing in units of pages is accepted from the host
5 apparatus;

6 a step in which, in the event that the printing cancellation has been accepted,
7 determination is made as to whether printing of a page currently being printed is completed;
8 and

9 a step in which, in the event that it is determined that printing of the page currently
10 being printed is completed, printing processing is terminated.

1 14. A computer program for causing a computer to execute a method in which print data
2 is sent to a printer and printing is caused to be carried out, the method comprising:

3 a step in which the print data is sent to the printer and printing is caused to be carried
4 out;

5 a step in which determination is made as to whether a prescribed print cancellation
6 condition exists; and

7 a step in which, in the event that the prescribed print cancellation condition exists, a
8 cancellation of printing in units of pages is issued to the printer such that printing continues
9 until printing of a page currently being printed is completed.

1 15. In the context of a printing system comprising a host apparatus creating print data and
2 a printer obtaining print data from the host apparatus and carrying out printing, a printing
3 system wherein:

4 in the event that a battery charge level of the host apparatus is less than or equal to a
5 prescribed value,

6 (1) job status information is stored at the printer;

7 (2) the battery is recharged using power from the printer;

8 (3) judgment is made as to whether the battery charge level has recovered to the
9 extent that the prescribed value is exceeded; and

10 (4) in the event that the battery charge level recovers, the job status information is
11 obtained from the printer and printing is continued.